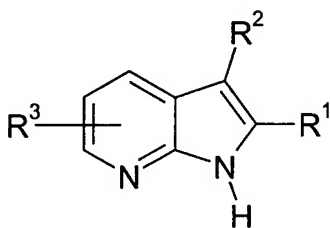


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A compound of formula (I):



(I)

wherein:

R¹ represents phenyl or a five or six membered aromatic heterocyclic ring containing 1 to 3 heteroatoms selected independently from O, S and N; said phenyl or aromatic heterocyclic ring being optionally substituted by one or more substituents selected independently from halogen, C1 to 4 alkyl, C1 to 4 alkoxy, CO₂R⁴ or a group -Q-L-M;

Q represents CO, O, NR¹² or a bond;

L represents C1 to 4 alkyl optionally further substituted by OH or OMe; or L represents a bond;

M represents NR¹³R¹⁴ or OR¹⁵;

R^{13} and R^{14} independently represent H, C1 to 4 alkyl or CONH_2 ; or the group $-\text{NR}^{13}\text{R}^{14}$ together represents a saturated 5 to 7 membered azacyclic ring optionally incorporating one further heteroatom selected from O, S and N R^{16} and optionally further substituted by OH or 1-piperidinyl;

R^{16} represents H, C1 to 4 alkyl, CHO or C2 to 4 alkanoyl;

R^2 represents phenyl or a five or six membered aromatic heterocyclic ring containing 1 to 3 heteroatoms independently selected from O, S and N; said phenyl or aromatic heterocyclic ring being optionally substituted by one or more substituents selected independently from halogen, C1 to 4 alkyl, C1 to 4 alkoxy, OH, CN, CO_2R^6 and a group $-\text{W}-\text{X}-\text{Y}$;

W represents O or a bond;

X represents C1 to 4 alkyl, $-\text{CO}-$, $-\text{CH}_2\text{CHOHCH}_2-$ or a bond;

Y represents NR^7R^8 ;

or Y represents a saturated or partially unsaturated 4 to 7 membered ring, optionally including 1 or 2 heteroatoms independently selected from O, N and $\text{S}(\text{O})_n$ and optionally incorporating 1 or 2 carbonyl groups; and optionally substituted by one or more substituents selected independently from OH, C1 to 4 alkyl, C1 to 4 alkoxy, CHO, C2 to 4 alkanoyl, C1 to 4 alkylsulphonyl or CO_2R^5 ;

or Y represents C1 to 4 alkoxy optionally further substituted by OH or C1 to 4 alkoxy;

R^3 represents H or one or two substituents selected independently from halogen, C1 to 4 alkyl, C1 to 4 alkoxy or cyano;

R^4 , R^5 and R^6 independently represent H or C1 to 4 alkyl;

R^7 and R^8 independently represent H, C1 to 4 alkyl, $-\text{CH}_2\text{CHOHCH}_2\text{OH}$, CHO, C2 to 4 alkanoyl or a group $-\text{G}-\text{J}-\text{K}$ wherein G represents $-\text{CO}-$ or a bond; J represents C1 to 4 alkyl; and K represents $-\text{NR}^9\text{R}^{10}$ or $-\text{CH}(\text{NH}_2)\text{CO}_2\text{R}^{11}$;

R^9 and R^{10} independently represent H or C1 to 4 alkyl; or the group $-\text{NR}^9\text{R}^{10}$ together represents a saturated 5 or 6 membered azacyclic ring;

R^{11} , R^{12} and R^{15} independently represent H or C1 to 4 alkyl;

n represents an integer 0, 1 or 2;

and pharmaceutically acceptable salts thereof;

provided that:

- (i) when R^3 is at the 6-position and represents C1 to 4 alkoxy and at the same time R^1 represents optionally substituted phenyl, then R^2 does not represent unsubstituted 4-pyridyl or unsubstituted 4-pyrimidyl; and
- (ii) when R^2 represents 4-hydroxyphenyl or 4-hydroxy-3-pyridyl either optionally further substituted by halogen, C1 to 4 alkyl or C1 to 4 alkoxy, then R^3 represents cyano; and
- (iii) the following three compounds are disclaimed - 2-(4-fluorophenyl)-3-(4-pyridinyl)-1H-pyrrolo[2,3-b]pyridine; 2,3-diphenyl-1H-pyrrolo[2,3-b]pyridine; and 4-methyl-2,3-diphenyl-1H-pyrrolo[2,3-b]pyridine.

2. (Original) A compound according to Claim 1 wherein R^3 represents halogen, methyl, methoxy or cyano.
3. (Currently amended) A compound according to Claim 1 ~~or Claim 2~~ wherein R^2 represents phenyl substituted by a group $-W-X-Y$ and W represents O.
4. (Currently amended) A compound of formula (I), according to ~~any one of Claims 1 to 3~~ Claim 1, which is:
- 5-bromo-3-(4-methoxyphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-(3-methoxyphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)benzonitrile;
5-bromo-2-(2-furyl)-3-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
3-{4-[5-bromo-2-(2-furyl)-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl]phenoxy}-*N,N*-dimethylpropan-1-amine;
5-bromo-3-(4-morpholin-4-ylphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-2,3-diphenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-2-(4-bromophenyl)-3-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-2,3-bis(4-methoxyphenyl)-1*H*-pyrrolo[2,3-*b*]pyridine;
N-(3-{4-[5-bromo-2-(2-furyl)-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl]phenoxy}propyl)-*N,N*-dimethylamine;
5-bromo-3-phenyl-2-(1,3-thiazol-2-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-furan-2-yl-1-*H*-pyrrolo[2,3-*b*]pyridine;
N-[5-(5-bromo-2-phenyl-1-*H*-pyrrolo[2,3-*b*]pyridin-3-yl)-furan-2-ylmethyl]-acetamide;
5-bromo-3-(5-aminomethylfuran-2-yl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-2,3-difuran-2-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
methyl 5-(5-bromo-3-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)-1*H*-pyrrole-2-carboxylate;
5-bromo-3-phenyl-2-(1*H*-pyrrol-3-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;

5-bromo-3-phenyl-2-(1,3-oxazol-2-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
3-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenol;
1-[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenoxy]-3-[(2-pyrrolidin-1-ylethyl)amino]propan-2-ol;
1-[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenoxy]-3-pyrrolidin-1-ylpropan-2-ol;
5-bromo-3-{4-[2-(1-methylpyrrolidin-2-yl)ethoxy]phenyl}-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-2-phenyl-3-[4-(2-pyrrolidin-1-ylethoxy)phenyl]-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-[4-(2-morpholin-4-ylethoxy)phenyl]-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-[3-(2-morpholin-4-ylethoxy)phenyl]-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
3-[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenoxy]-*N,N*-dimethylpropan-1-amine;
5-bromo-3-{4-[2-(2-methoxyethoxy)ethoxy]phenyl}-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-{3-[2-(1-methylpyrrolidin-2-yl)ethoxy]phenyl}-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
3-{4-[3-(dimethylamino)propoxy]phenyl}-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
5-{[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenoxy]methyl}-1,3-oxazolidin-2-one;
3-{4-[3-(dimethylamino)propoxy]phenyl}-2-(4-methoxyphenyl)-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
(3-{4-[5-bromo-2-(4-methoxy-phenyl)-1*H*-pyrrolo[1,3-*b*]pyridin-3-yl]-phenoxy}-propyl)-dimethylamine;
3-[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)phenoxy]propan-1-amine;
5-bromo-3-(4-aminomethylphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-[4-(4,5-dihydro-1*H*-imidazol-2-yl)phenyl]-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-[4-(4,4-dimethyl-4,5-dihydro-1*H*-imidazol-2-yl)phenyl]-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
N-(2-aminoethyl)-4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)benzamide;
3-[[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)benzyl](1,2-dihydroxypropyl)amino]propane-1,2-diol;
4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)benzoic acid;
*N*⁵-[4-(5-bromo-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)benzyl]glutamine;

3-(4-hydroxyphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
3-[4-(aminomethyl)phenyl]-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
3-(4-morpholin-4-ylphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
3-(4-hydroxyphenyl)-2-(4-methoxyphenyl)-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
5-bromo-2-phenyl-3-pyrrol-1-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-cyano-2-(4-methoxy-phenyl)-3-pyrrol-1-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-bromo-3-(2,5-dimethyl-pyrrol-1-yl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine;
3-(4-methoxyphenyl)-2-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
{3-[4-(5-methyl-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl} dimethylamine;
{3-[4-(5-fluoro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl} dimethylamine;
2-{4-[3-(dimethylamino)propoxy]phenyl}-4-methyl-3-pyridin-3-yl-1*H*-pyrrolo[2,3-*b*]pyridine-5-carbonitrile;
5-chloro-2-[5-(piperazin-1-ylcarbonyl)-1*H*-pyrrol-3-yl]-3-pyridin-3-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-2-[5-(piperazin-1-ylcarbonyl)-1*H*-pyrrol-3-yl]-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
{3-[4-(4,5-dichloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl} dimethylamine;
{3-[4-(5-bromo-4-methyl-3-pyridin-3-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl} dimethylamine;
5-chloro-3-pyridin-3-yl-2-(1*H*-pyrrol-2-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-3-pyridin-3-yl-2-(1*H*-pyrrol-3-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-4-methoxy-3-pyridin-3-yl-2-(1*H*-pyrrol-3-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-2-(6-chloropyridin-3-yl)-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
(2-{[5-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)pyridin-2-yl]oxy}ethyl)methylamine;

N-[5-(5-chloro-3-pyrimidin-5-yl-1H-pyrrolo[2,3-*b*]pyridin-2-yl)pyridin-2-yl]-N,N',N'-trimethylpropane-1,3-diamine;
N'-[5-(5-chloro-3-pyrimidin-5-yl-1H-pyrrolo[2,3-*b*]pyridin-2-yl)pyridin-2-yl]-N,N'-dimethylpropane-1,3-diamine;
N-{3-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl}-*N,N*-dimethylamine;
{3-[4-(5-chloro-4-methoxy-3-pyridin-3-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propyl}dimethylamine;
N-(2-{[5-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)pyridin-2-yl]oxy}ethyl)urea;
2-{[5-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)pyridin-2-yl]oxy}ethanol;
2-[6-(4-acetylpiperazin-1-yl)pyridin-3-yl]-5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-3-(4,5-dihydropyrimidin-5-yl)-2-[6-(4-methylpiperazin-1-yl)pyridin-3-yl]-1*H*-pyrrolo[2,3-*b*]pyridine;
5-chloro-3-(4,5-dihydropyrimidin-5-yl)-2-(6-morpholin-4-ylpyridin-3-yl)-1*H*-pyrrolo[2,3-*b*]pyridine;
1-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]-3-(4-methylpiperazin-1-yl)propan-2-ol;
1-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]-3-(dimethylamino)propan-2-ol;
1-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]-3-morpholin-4-ylpropan-2-ol;
1-{3-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]-2-hydroxypropyl}pyrrolidin-3-ol;
1-(1,4'-bipiperidin-1'-yl)-3-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]propan-2-ol;
{3-[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenoxy]-2-methoxypropyl}dimethylamine;

[4-(5-chloro-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-2-yl)phenyl][2-(4-methylpiperazin-1-yl)ethyl]amine;

5-chloro-2-(1*H*-pyrazol-4-yl)-3-pyridin-3-yl-1*H*-pyrrolo[2,3-*b*]pyridine;

5-chloro-2-{4-[3-(dimethylamino)propoxy]phenyl}-*N*-methyl-3-pyrimidin-5-yl-1*H*-pyrrolo[2,3-*b*]pyridin-4-amine;

or a pharmaceutically acceptable salt of any one thereof.

5. (Cancelled)

6. (Currently amended) A pharmaceutical formulation comprising a compound of formula (I), as defined in ~~any one of Claims 1 to 4~~ Claim 1, or a pharmaceutically acceptable salt thereof, optionally in admixture with a pharmaceutically acceptable diluent or carrier.

7. (Currently amended) A method of treating, or reducing the risk of, a human disease or condition in which inhibition of Itk kinase activity is beneficial which comprises administering to a person suffering from or susceptible to such a disease or condition, a therapeutically effective amount of a compound of formula (I), as defined in ~~any one of Claims 1 to 4~~ Claim 1, or a pharmaceutically acceptable salt thereof.

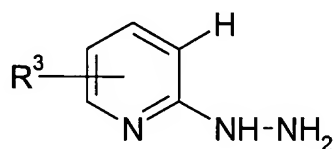
8. (Cancelled)

9. (Currently amended) The ~~use~~method according to ~~Claim 8~~ Claim 7 wherein the disease is asthma.

10. (Currently amended) The ~~use~~method according to ~~Claim 8~~ Claim 7 wherein the disease is allergic rhinitis.

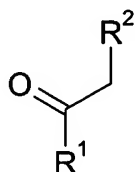
11. (Currently amended) A process for the preparation of a compound of formula (I), as defined in ~~any one of Claims 1 to 4~~ Claim 1, and optical isomers and racemates thereof and pharmaceutically acceptable salts thereof, which comprises:

a) reaction of a compound of formula (II):



(II)

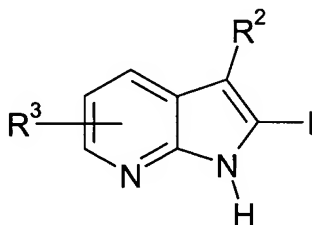
in which R^3 is as defined in Claim 1, with a compound of formula (III):



(III)

in which R^1 and R^2 are as defined in Claim 1; or

b) arylation of a compound of formula (IV)



(IV)

wherein R^2 and R^3 are as defined in Claim 1, with a boronic acid of formula $R^1-B(OH)_2$ wherein R^1 is as defined in Claim 1;

and where desired or necessary converting the resultant compound of formula (I), or another salt thereof, into a pharmaceutically acceptable salt thereof; or converting one compound of formula (I) into another compound of formula (I); and where desired converting the resultant compound of formula (I) into an optical isomer thereof.